

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

22 Jul 2026

### The effect of buccal corticotomy in accelerating orthodontic canine movement

#### Protocol summary

##### Summary

Aim: The effect of buccal corticotomy in accelerating orthodontic canine movement status study design: Non Randomized Population: 15 patient who need extraction of two maxillary premolars with maximum canine retraction Inclusion criteria: Need of Extraction of two maxillary premolar Extraction in maxilla; informed consent of patient Exclusion criteria: Non compliancy of patients Sample size: 15 patients Intervention studied: Buccal corticotomy at extracted to site Intervention time: At time of tooth extraction

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2013082014415N1**  
Registration date: **2014-07-12, 1393/04/21**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2014-07-12, 1393/04/21

##### Registrant information

###### Name

Mohammad Reza Jahanbakhshi

###### Name of organization / entity

Islamic university of khurasegan

###### Country

Iran (Islamic Republic of)

###### Phone

+98 31 1535 4053

###### Email address

m.jahanbakhshi@khuif.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Investigator

##### Expected recruitment start date

2012-12-21, 1391/10/01

##### Expected recruitment end date

2013-11-16, 1392/08/25

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of buccal corticotomy in accelerating orthodontic canine movement

##### Public title

The effect of buccal corticotomy in accelerating orthodontic canine movement

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: Need for two first premolari Extraction in maxilla; informed consent of patient Exclusion criteria: Non compliancy of patients

##### Age

From **2 years** old

##### Gender

Both

##### Phase

N/A

##### Groups that have been masked

*No information*

##### Sample size

Target sample size: **15**

##### Randomization (investigator's opinion)

N/A

##### Randomization description

##### Blinding (investigator's opinion)

Not blinded  
**Blinding description**  
**Placebo**  
Not used  
**Assignment**  
Single  
**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Islamic Azad University of Isfahan(Khorasgan), Dental School

##### Street address

Islamic Azad University of Isfahan(Khorasgan), Jey Street

##### City

Isfahan

##### Postal code

##### Approval date

2010-09-23, 1389/07/01

##### Ethics committee reference number

23810201921022

## Health conditions studied

### 1

#### Description of health condition studied

orthodontic

#### ICD-10 code

Z46.4

#### ICD-10 code description

Fitting and adjustment of orthodontic device

## Primary outcomes

### 1

#### Description

Rate of tooth movement

#### Timepoint

Two weeks

#### Method of measurement

Compass & caliper

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Buccal corticotomy at the intervention side  
**Category**  
Treatment - Surgery

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Dept of orthodontics, Islamic Azad Dental School Khorasgan Branch, (Isfahan), Iran

##### Full name of responsible person

Mohammad Reza Jahanbakhshi

##### Street address

##### City

Isfahan

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Islamic Azad University of Isfahan (Khorasgan), Dental School

##### Full name of responsible person

Mohammad Reza Jahanabakhshi

##### Street address

Dental School, Islamic Azad University of Isfahan (Khorasgan), Jey Street

##### City

Isfahan

#### Grant name

#### Grant code / Reference number

#### Is the source of funding the same sponsor organization/entity?

Yes

#### Title of funding source

Islamic Azad University of Isfahan (Khorasgan), Dental School

#### Proportion provided by this source

100

#### Public or private sector

empty

#### Domestic or foreign origin

empty

#### Category of foreign source of funding

empty

#### Country of origin

#### Type of organization providing the funding

empty

## Person responsible for general inquiries

#### Contact

##### Name of organization / entity

Islamic Azad University of Isfahan(Khorasgan), Dental School

##### Full name of responsible person

Mohammad Reza Jahanbakhshi

##### Position

Postgraduated student of Orthodontics

**Other areas of specialty/work**

**Street address**

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**Web page address**

**Person responsible for updating data**

**Contact**

**Sharing plan**

**Deidentified Individual Participant Data Set (IPD)**

*empty*

**Study Protocol**

*empty*

**Statistical Analysis Plan**

*empty*

**Informed Consent Form**

*empty*

**Clinical Study Report**

*empty*

**Analytic Code**

*empty*

**Data Dictionary**

*empty*

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Islamic Azad University of Isfahan(Khorasgan), Dental  
School

**Full name of responsible person**

Mohammad Reza Jahanbakhshi

**Position**

Postgraduated student of orthodontics

**Other areas of specialty/work**

**Street address**

teh niroye havayi no. 263

**City**